



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

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club web site is www.halifax-arc.org



Museum Ships Weekend Event June 3 & 4 - Operators Needed



HARC Club Station phone number - 490-6421

See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

Position Name & Call Sign	Phone #	E-Mail
President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca
First V.P. - Rob Ewert, VE1KS	826-1705	ewertr@hfx.eastlink.ca
2nd V.P. - Howard Dickson, VE1DHD	823-2024	dhdickson@hfx.eastlink.ca
Secretary - Murray MacDonald, VE1MMD	876-0661	twomacds@eastlink.ca
Treasurer - Fraser MacDougall VE1WO	865-4198	ve1wo@rac.ca
Director-at-Large: - Craig MacKinnon, VE1JMA	craig.mackinnon1@ns.sympatico.ca	
Club Station Mgr. - Brian Allan, VE1AZV	489-4656	basailor@eastlink.ca
Past President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca

Committees/Offices/Prime Contacts

Public Relations: Wayne Harasimovitch, VE1WPH	835-4865	ve1wph@rac.ca
IPARN and Brit Fader Memorial QSL Bureau Manager - Bob Burns, VE1VCK	865-9414	ve1vck@rac.ca
EMO Coordinator - Dave George, VE1AJP	466-8723	dgeorge@dal.ca
Reflector editor - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Reflector Dist. - Tom Caithness, VE1GTC	477-7081	tom.caithness@ns.sympatico.ca
Membership - Tom Caithness, VE1GTC	477-7081	tom.caithness@ns.sympatico.ca
Web page - Rob Ewert, VE1KS	826-1705	ewertr@hfx.eastlink.ca
Basic ham course - Scott Wood, VE1QD	823-2761	ve1qd@rac.ca
EMO Trailer Assembly coord - David Musgrave, VE1EDA	435-4333	ve1eda@rac.ca
Flea market Chair - Murray MacDonald, VE1MMD	876-0661	twomacds@eastlink.ca
Field Day coordinator - Howard Dickson	823-2024	dhdickson@hfx.eastlink.ca
Safety Officer - Terry Bigelow		ve1trb@rac.ca
RAC Asst Director - Wayne Marchand, VE1WJM	860-1580	ve1wjm@rac.ca
NSARA Director - Scott Wood, VE1QD	823-2761	ve1qd@rac.ca
Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL		

The **General Monthly Meeting** of the Halifax Amateur Radio Club will take place Wednesday, May, 2006 at 1930 hours (7:30 PM), at the former Bloomfield School building (corner of Almon and Agricola streets). The meeting will be held in the Multi-Purpose Room.

Guest speaker will be Al Penny, VO1NO, presenting "The Battle of the Beams", the story of how the British discovered and then neutralized the German electronic navigation aids that Luftwaffe bombers were using to bomb the UK at night.

Guests are welcome.

Museum Ships Weekend Event.
0000Z June 3, to 2359Z June 4, '06.
Contact Emil, VE1ESP,
E-mail crshfx@email.com
to schedule your operating time.

**Deadline for submissions to the
June Reflector is
Saturday, June 10, 2006**

GENERAL INFORMATION



TAKE-15 NET: Sunday evenings at 8:30 PM on VE1PSR/VHF

CLUB REPEATERS:

VE1PSR/VHF - 147.270 MHz +
VE1PSR/UHF - 444.350 MHz +
VE1PSR/6M - 53.550 MHz -
access tone 151.4 Hz
VE1HNS - 146.940 MHz -

PACKET:

VE1NSD 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

Take-15 Net Controllers

I made a mistake last month so please note the changes.

This will be the rotation.

If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill Elliott, VE1MR, know.

May 14	Win	VE1WIN
May 21	Peter	VE1PJW
May 28	Doug	VE1LDL
June 4	Herb	VE1HX
June 11	Dave	VE1EDA
June 18	Charles	VE1MCR
June 25	Chris	VA1CDB



NOTICE

If you are interested in getting fall arrest certification for tower climbing, please contact an executive member

The Dartmouth repeater autopatch now requires an access code. Contact John, VE1WZ at 434-7095

*Events for Your Calendar***May 13 – Down East Fleamarket**

Place: Halifax Forum Annex, Corner of Windsor and Young St., Halifax

Sellers access 0600 hrs;

Buyers access 0900 hrs

Cost: \$4 Per Person

The Club will put on a number of **workshops** including & **DX for Windows**, iff there is enough interest. Let Howard, VE1DHD, know if you are interested in participating in such a workshop

The next **NSARA general meeting** will be at the DownEast Fleamarket, May 13, 2006.

**Museum Ships
Weekend Event.**


0000Z June 3, to 2359Z June 4, 2006 Emil, VE1ESP, is scheduling operators to participate in this event.

Contact Emil to arrange to spend a few hours aboard a ship from our maritime history, as a radio operator. E-mail crshfx@email.com

Field Day 2006 will be Saturday and Sunday, June 24-25.

The DX Forum - Saturday, August 5
Location: the St. Margaret's Community Centre (located immediately off of exit 5 on the 103).

2006 NSARA Picnic & AGM – Hosted by the Yarmouth Amateur Radio Club. Tentative date is the 2nd Saturday in August. Contact is Bernie, VE1UT. Check the NSARA website for developments.

Aug. 12 - 13 - The **MS Bike Tour**
To help with communications please contact Rick, VE1RGG

Watch for the **Lunenburg County Amateur Radio Club Steak & Salmon Supper** in August. Reservations are required so that the organizers know how much steak & how much salmon to order.

**August – International Lighthouse/
Lightship Weekend**

The **75th anniversary** of the Halifax Amateur Club's 75 years of operation deserve a celebration in 2008

Upcoming Workshops:**DX4Win Advanced Workshop**

Thursday, May 18th, 2006 - 7:00pm to 9:30pm - HARC Club Station

This HANDS ON workshop will cover the more advanced functions of DX4Win and will require that you have taken the Introductory course, or that you have used DX4Win at home and want to learn more.

Registration will be limited to first five (5) people to apply, unless you have your own laptop with a valid copy of DX4Win that you can bring to the session.

To register, please contact Howard - VE1DHD@rac.ca - as soon as possible. First come - first served!

WriteLog Workshop

Thursday, June 8th, 2006 - 7:00pm to 9:30pm - HARC Club Station

This HANDS ON workshop will cover the basic aspects of WriteLog so that Club Members who will be taking part in Field Day this year will have an opportunity to become familiar and comfortable with our new Contest Logging Software.

There will be NO registration limit for this workshop, BUT, if you have your own laptop with a valid copy of WriteLog PLEASE bring it along to the workshop.

To register, please contact Howard - VE1DHD@rac.ca - ASAP. All who plan to attend and operate on Field day are encouraged to attend.

Contesting Workshop

Saturday, June 17th, 2006 - 9:30am - 12:30pm - EOC in the Emergency Measures Building, 21 Mt. Hope Dr. in Dartmouth.

This workshop is intended to get Club Members, who will be participating in Field Day, psyched up and prepared for the challenge. HARC is planning on being #1 overall in the 2-Alpha class in 2006, so we have to be prepared!

If you plan to take part in Field Day 2006, this workshop is a MUST for you.

DOWNEAST FLEA MARKET

SATURDAY May 13, '06

Where: The Halifax Forum Complex corner of Young and Windsor St., Halifax

Doors open: for sellers at 0600
for buyers at 0900

The tables are free !

Entry fee is \$4.00 per person

Reserve tables by contacting

Murray MacDonald, VE1MMD

Talk in frequency: VE1PSR 147.270+

Durham Radio have said they'll be there.

Ham Social Friday night May 12/06 at 1930 at Captain Eli's Restaurant & Lounge

Breakfast get together at 0730 May 13/06 at the Steak and Stein, 6061 Young St, Halifax

Hope to see you there

Plans are booming ahead for the **DX Forum**. The date is Saturday, 5 August and the location is the St. Margaret's Community Centre. It is located immediately off of exit 5 on the 103. The mutli-purpose room is excellent and will accommodate all the participants that we could conceivably attract.

We have a GREAT keynote presentation lined up, namely George Nicholson, N4GRN. He was on the recent 3Y0X expedition and will tell about the wonders of that operation. By my reckoning, that operation was just about as perfect as it gets!

Scott, VE1QD

The trouble with bucket seats is that not everybody has the same size bucket.

To register, please contact Howard - VE1DHD@rac.ca - as soon as possible. All who plan to attend and operate on Field day are encouraged to attend.

D. Howard Dickson - VE1DHD

PRESIDENT'S MESSAGE

The months are flying by with lots of activities planned for May and June. Start marking your calendars and see if you can attend and take part in some of the coming events.

We are in need of people to take on some tasks. Tom, VE1GTC is going to take a break from doing membership and Reflector distribution. He will be stepping down the end of June. While it is easiest if one person does both it can be handled by two people in fairly close contact as it was before. With e-mail and our hobby of communication this should be an easy task. If you are interested in either of these important tasks please contact Tom, VE1GTC. Tom will be only too glad to initiate you into how these tasks are done and most likely will help the first few times. Tom will still be doing several important tasks for the club and feels he would like to devote more time to those.

Due to personal commitments and other personal factors, two prospective candidates for the chair of the 75th anniversary committee will not be able to take the job. We are now looking for someone to oversee the 75th anniversary events of 2008. The events for the anniversary will be dependant on people coming forward to help out with various events. The chair will oversee the preparations and advise what events the club can actually do with the volunteers available. If the chair wants to organize an event themselves that is all right as well, but the main task is to make sure the club does not overextend itself. Please consider doing this job for the club. Some events already have volunteers so with lots of lead time the job may be fairly easy.

Remember, this is your club and the executive is there to do the day to day running, but needs direction from the membership on what you as members want the club to do.

73 - Bill, VE1MR

Just a reminder that the **Discovery Reflector website**

www.discoveryreflector.ca celebrated its first anniversary on May 3rd. During the past year the site has gone through a number of developmental changes through the efforts of webmaster Brian, VE1NSX.

The site acts as a companion to the IRLP 9010 "Discovery" Reflector and has been used extensively in support of the ARISS Audio Distribution Project by providing event information as well as streaming audio for internet listeners. Both the "Discovery" website and Reflector have been referenced during presentations at various international space symposiums, the Dayton Hamvention as well as a number of magazine articles & journals.

Over the next year the Discovery Reflector website will parallel its growth with its IRLP 9010 companion thanks to the continuing support of the Halifax Club and it's volunteers. It will be interesting to see what the next years brings. Happy first anniversary discovery.ca!

73, Wayne, VE1WPH

Spud, VE1BC, is researching the history of the call signs VE8AT and VE8TU. So far he's found out that VE8AT was Earle Smith's call in Alert. When he left that station became VE8TU and was later changed to VE8RCS. (Earle's current call is VE6NM.)

Jerry Proc VE3FAB is making up a web site on Alert within his web sites and is quizzing Earle further. Spud would greatly appreciate any additional info you (anyone reading this) might have. -ed.

Puzzler - Do You Know?

In amateur circles, what did the initials CAROA stand for?

Answer on page 8



New Brunswick Spring Fleamarket & Hamfest, Saturday, May 27/06 at

the Quispamsis Middle School,
189 Pettingill Rd., Quispamsis NB
ARPS Ident. LCARCFM - 45°
25'35"N, 66°58'01"W

Talk-in: 147.27+ (on VE1EE)

Info at www.lcarc.ca

Time: Public 9:30AM

Vendors 8:30AM

Admission: \$3: Tables: \$2

Admission includes ticket for
Hourly & Grand Prize Draws
(Grand Prize-2m Handheld)

Large, accessible indoor fleamarket
of ham radio and electronic equipment,
shortwave and marine radios,
GPS, R/C and computers

Commercial Vendors, RAC
VE9/VY2 QSL Bureau, Canteen
DXCC Card Checking
Licence Exams, Theory & Code
Satellite & APRS Demo

To book a table contact

Phil, VE1PGC at 506-633-1384
or hamfest@lcarc.ca

From the ARRL Letter, Vol. 25, No. 06 ARRL FIELD DAY 2006

The 2006 ARRL Field Day package
<<http://www.arrl.org/contests/forms/06-fd-packet.pdf>> and rules
(PDF version <<http://www.arrl.org/contests/forms/06-fd-rules.pdf>>) now
are available on the ARRL Web site.

ARRL Field Day 2006 will be
Saturday & Sunday, June 24-25

From the ARRL Letter, Vol. 25, No. 15

AMSAT-UK has issued a first call
for speakers and papers for its 21st
Colloquium, July 28-30, at Surrey
University, Guildford, Surrey, UK.

The HARC plans to produce a
75th Anniversary issue of the Call-
book to be released in 2008. Do you
have any "historic" or
otherwise suitable photos
or anecdotes for this book?



Safety Corner May 2006

By Terry, VE1TRYB

Isn't it great to get people interested in club activity? I think it is. We have been fortunate enough to have folks like Emile, VE1ESP, take on an interest in First Aid. Emile is busy checking our first aid set up. He is making sure it has what we need and has not expired. He has suggested maybe we should have a few more kits so that the one in the club station can actually stay there at all times.

Have you ever wondered what would be considered as an adequately stocked first aid kit? Are there any regulations governing first aid kits?

I did some research and this is what I found:

- There is Occupational Health and Safety First Aid Regulations here in Nova Scotia (see Reference A, further along in this column)
- The number of people regularly at an event dictates the contents of the kit.
- Consider the environment in which you conduct your activities; what is needed for potential problems, and how would an evacuation be handled,
- The activity itself must be considered; remoteness, and potential problems,
- What other resources are available, such as people, gear, and communications?
- Who is participating - how many? Consider medical history, knowledge and skill level.
- What can you improvise for splinting materials, litters, etc. ?
- What can not be improvised?

If you are looking to put together, or are buying a Kit, or even just checking out your own kit, I'd suggest you take a look at Reference B) below. There are some reasonably priced kits available.

Along with the bandages that we all expect to be in a kit, they suggest a first aid booklet, and examination gloves. Always remember to protect yourself.

Do we have anyone in the club that is qualified as a First Aid Instructor or know someone that would consider running a course for us?

If so, please let me know.

References: A) <http://www.gov.ns.ca/Just/regulations/regs/ohsfirst.htm>

B) <http://stjohnambulance.ns.ca/index.php?menid=05&mtyp=1>

REMEMBER SAFETY IS EVERYONE'S BUSINESS

If you have any comments or questions that you would like to see addressed in this column, please feel free to send me an email at ve1trb@rac.ca

The position of "Safety Officer" has been added to the HARC's committee structure to help ensure the continued safety of our members while involved in our hobby. The Safety Officer's duties include acting as safety officer for various club events, presenting a short safety related talk or demonstration at regular meetings and preparing a short safety related insertion for the Reflector on a regular basis.

Terry, VE1TRB, has agreed to take on the position of Club Safety Offi-

cer and he invites "comments or questions that you would like to see addressed in this column". E-mail Terry at ve1trb@rac.ca - ed.

Tech support: How may I help you?

Customer: I'm writing my first e-mail



Tech support: OK, and what seems to be the problem?

Customer: Well, I have the letter 'a' in the address, but how do I get the circle around it?

Bounty Part 1

This article, written by Spud Roscoe, VE1BC., appeared in the October 1985 issue of TCA. Here published in 2 parts due to space limitations.

Any transcription errors are mine -ed.

"Men I have kept you hereafter the reading Of the Articles Of War' to hear a recitation by Signalmen Roscoe it concerns a crew of mutinous dogs who met a miserable and well deserved end some years ago- Ponder their fate and avoid it yourselves. Roscoe"

Sir!

You may start your recitation when ready. At ease, men.

Aye, aye, sir."

Well, shipmates. in 1786 a vessel with the name BETHIA made a voyage from London, England, to Nova Scotia. This vessel was built at Hull, England, 1784. I have never been able to prove that this was the same vessel, but one fitting this description was purchased by the British Admiralty (Royal Navy) and was refitted, renamed the BOUNTY, and was sent to the South Seas (South Pacific) to load a cargo of breadfruit plants for Jamaica. Captain William Bligh was placed in command of this ship.

On April 28, 1789, Fletcher Christian led a mutiny against Captain Bligh in BOUNTY. He cast Bligh with 18 crew members adrift in BOUNTY's boat. Bligh and all but one of those with him survived this ordeal to return to England. Christian, 9 mutineers, 6 men and 12 women from the island of Tahiti, settled on the island of Pitcairn in 1790.

Since the ship TOPAZ put into Pitcairn Island for water in 1808 and discovered the sole survivor of this mutiny, John Adams, this has been one of the best sea stories of all time. Adams was botanist in BOUNTY and the lone survivor from vicious fighting among the colonists because the number of men outnumbered the number of women.



The BOUNTY I joined as Radio Officer, in 1962, is a replica of this vessel. Christian had burned the original in what is now known as Bounty Bay, Pitcairn Island. This replica is the first replica of a ship to be built from the keel up for the sole purpose of making a movie. The movie is 'Mutiny on the Bounty,' starring Trevor Howard and Marlon Brando.

This BOUNTY was built and is registered at Lunenburg, N.S. She is 118 feet long. A bit longer than the original's 96 feet. This one is also a bit beamier. This is to compensate for her large diesel engines and to permit the movement of cameras around her deck.

She has four Caterpillar Marine Diesel Engines; two of the size found in the D8 Caterpillar Bulldozer for main propulsion and two smaller diesels each connected to a generator for electricity. One diesel generator was in use at a time, developing both 110 volts and 440 volts for the ship's electrical requirements.

She has ten thousand square feet of sail, ten miles of running rigging (the ropes which operate the sails) and official number 312725. She is 110.98 net tonnes and 415.52 gross tonnes. Her international call sign is VYFM. One of the best call sign I ever sailed with. By dragging the Y and M, snapping and V and F quickly, one could

make this quite distinctive. At least I felt that it gave this call quite a personal characteristic in CW.

The efficient operation of radio equipment requires a good electrical connection with the earth's surface and BOUNTY's wooden hull made this very clear. All of her main electronic equipment was leased from the Radio Corporation of America. The electronic equipment was the latest tube type; the transistor was just starting to make an appearance. BOUNTY had a main medium frequency transmitter (350 – 515 kHz, 250 watts) a high frequency transmitter (2 – 24 MHz, 300 watts), and two general coverage super heterodyne receivers (85 – 560 kHz and the other 1.9 – 25 MHz), from the RCA 5U Console and CW only.

A small 2 MHz AM radiotelephone of around 50 watts was mounted on top of the two receivers. All of this equipment was installed in my cabin with my bunk, locker, desk or shelf for operating, bookcase, and shelf with this equipment secured to it one of the most convenient stations I have operated.

Frank Milton W6BZN, supervisor of the sound department at Metro Goldwyn Meyer, was instrumental in obtaining the Amateur radio station for BOUNTY. Frank's name will often appear in the sub-titles shortly after the Lion roars in many MGM movies. Frank & I fitted the Amateur station in the radio room, on one of the bookshelves, while alongside Long Beach California. A Collins KWM-1 via home brew tuner to the main antenna switch which permitted the use of one of the inverted L antenna. This was towards the end of filming the movie and just prior to sailing on a publicity cruise to advertise the movie.

BOUNTY's chart room had a Loran receiver, small

ten-inch radar and a small Bendix direction finder. The radar antenna was mounted upon the foremast, with plug-in connectors so that it could be removed easily and not appear in any of the film. For the same reason the loop antenna of the direction finder was mounted on top of this unit in the chart room. Therefore, the direction finder never worked as designed, but made an excellent broadcast receiver.

The company officials insisted that her main aerial had to be cap-tarred in order to protect the seamen working aloft on her sails. BOUNTY's first antenna was a long piece of electrical welding cable, the stuff that runs from the welder out to the clamp holding the welding rod. This, of course, is cap-tarred, but is horrible stuff for an aerial.

The actual wire inside is multiple strand fine copper resembling horse hair. When salt water struck these fine wires, they turned the many shades of the rainbow, and many more shades. (Continued on page 8)



Main operations position BOUNTY. Spud sends a message from Bligh to Admiralty

**Halifax Amateur Radio Club
Minutes - Monthly General
Meeting
Wednesday, April 19, 2006**

Vice President Rob (VE1KS) called the meeting to order at 1931 with 30 members in attendance.

Silent Keys: There were two (2) silent keys to report.

VE1BYO - Tom Goldie - Antigonish
VE1AOS - Percy Buzza - Dartmouth

Guests / Visitors. Scott (VE1QD) introduced the graduates of the recent course: Marc (VE1DDH), Karen (VE1VEZ), Sam (VE1YVN), Frank (VE1FHW) and Carolyn (VE1FRG). Joel (VE1JCR) was unavailable.

Executive in attendance:

Rob Ewert (VE1KS) 1st. Vice President; Howard Dickson (VE1DHD) 2nd Vice President; Murray Mac Donald (VE1MMD) Secretary; Fraser Mac Dougall (VE1WO) Treasurer; Dick Grantham (VE1AI) Past President were present.

Regrets: Bill Elliott (VE1MR) President; Craig Mac Kinnon (VE1JMA) Member at Large; Brian Allen (VE1AZV) Station Manager.

Minutes of the March 15, 2006 monthly general meeting: It was moved by Emile (VE1ESP) and seconded by Don (VE1BN) that the minutes of the March 15, 2006 meeting, as printed in the April edition of the Reflector, be adopted. Motion was carried.

Executive Reports:

Treasurer's report: Fraser (VE1WO) reported that the current bank balance was \$10,440.70. Expenses for the month were \$553.03 and income was \$736.67. It was moved by Dick (VE1AI) and seconded by Terry (VE1TRB) that the Treasurer's Report be accepted. Motion was carried.

Attention new Amateurs

Any new amateurs obtaining their call-signs please let Tom, VE1GTC, know by phone at 477 7081 or e-mail – ve1gtc@rac.ca

Secretary's report: Nothing to report.

President's report: Sent his regrets and advised that he had nothing to report.

1st. Vice President's report: Rob (VE1KS) reported that things are progressing well at the site at Keji and that the solar panels and other equipment had been obtained. A weekend work party is planned for the end of May.

2nd. Vice President's report: Howard (VE1DHD) advised that the door prize for the evening draw was a set of screwdrivers. The entertainment for the evening will be a presentation on the concept of "Foundation Licencing". He reported that former club president; Al Penny (VO1NO/VE3) will be the entertainment for the May meeting. Al will be giving a presentation entitled the "Battle of Beams". Howard advised that the HF workshop was a success with ten (10) participants. He has scheduled a number of workshops including DX4Win, WriteLog, Power Point and Contesting.

Station Manager's report: The secretary reported that he had received regrets from the station manager but that he had forwarded the following report. He had met with, and invited RFQs from, three (3) suppliers for a new entry system to the club station. Once the quotes are received, he will prepare a recommendation. He had been in contact with the Museum of The Atlantic and has received approval to use the CSS Acadia for the Museum Ships Weekend event on June 3rd. and 4th. If anyone is interest in operating during the weekend please advise either Emil (VE1ESP) or Brian (VE1AZV).

Member at Large: Craig (VE1JMA) sent his regrets and advised that he had nothing to report.

Past President's report: Dick (VE1AI) presented those who had

participated in the VA1ISAR weekend event with certificates of thanks. He reported that the event was a success, and the feedback from the Coast Guard was all positive.

Committee reports:

Membership: No report.

Search and Rescue: No report.

EMO: No report.

Flea Market: Murray (VE1MMD) advised that the main door prize (Icom Dual Band Hand Held) had been obtained. There is a need for additional door prizes.

Field Day: Howard (VE1DHD) reported that the York Redoubt site has been selected as the site for this year's field day location. The site will be visited by a number of the executive to determine the best locations for the various stations and equipment. He had prepared a document on planning for this year's field day which included tasks, equipment and assignment of tasks. This was reviewed with a number of members volunteering to take on some of the tasks. Anyone willing to assist, either as an operator, or in setting up or tearing down the site is encouraged to contact Howard (VE1DHD).

DX Forum: Scott (VE1QD) reported that things are moving ahead. The tentative date for this year's event is Saturday, August 5th. He advised that the tentative site is the Community Centre in Tantallon. A number of notables in the DX field have been contacted, and it is anticipated that the guest speaker will soon be identified.

Course: Scott (VE1QD) reported that the course is now completed and that six (6) participants successfully completed the course. New options are being considered to aid in the delivery of the course including the establishment of a self study group.

Old Business:

There was no old business to report.

(Continued on page 7)

HARC Minutes - Monthly General Meeting – Wednesday, April.19/06

(Continued from page 6)

New Business:

At the last meeting a safety officer was appointed. At that time it was agreed that a special resolution should be prepared to cover this position. As a result the following resolution was drafted and posted in the Reflector:

Special Resolution #02-06

Be it resolved that the following:

By-Law #10.0 "Committees" be amended as follows:

By-Law #10.1 – "Safety" to be added to the list of committees.

It was moved by Emil (VE1ESP) and seconded by Terry (VE1DTY) that special resolution #02-06 be adopted. The motion was passed unanimously.

Announcements:

There were no announcements.

50/50: The 50/50 draw in the amount of \$22.50 was won by David Mosher (VE1DIM)

Door Prize: The set of screwdrivers was won by Scott Wood (VE1QD).

It was moved by Darryl (VE1HUP) that the meeting be adjourned.

Meeting adjourned at 2021.

Respectfully submitted,

Murray Mac Donald, VE1MMD
Secretary, Halifax Amateur Radio Club

HARC Tube Bank Anyone looking for a particular tube or tubes should contact the Tube Bank Manager by e-mail .tubes@37.com or snail mail: 99 Hyson Point Rd.

Mahone Bay, N.S. B0J 2E0
There is a nominal charge if we can supply the tube wanted.

Shipping/mailing is extra..

The HRM EMO/ham Advisory Committee Web page is at
www.ve1hre.ca

Bounty (Continued from page 5)

of their own; in other words corrosion and high resistance to electricity.

This main aerial entered the radio room via a large feed-through insulator. The inside connection was above the operating desk. The outside connection was up above the after-channel on her starboard side. Every so often I had to climb over the bulwarks and get down on this channel then remove a foot or so of the material to get rid of this corrosion-

Captain Coggins got a new aerial for the station just prior to crossing the Atlantic. It was proper ship's antenna wire, the seven-strand heavy copper, but cap-tarred.

BOUNTY's main aerial was the standard inverted L or Marconi configuration. It ran from the insulator above the channel to the top of the mizzen mast over to the top of the main mast. I can see it in the movie a number of times, and in every photograph I have ever seen of this BOUNTY.

In addition to the main aerial, there were two more. A long vertical wire ran from a small feed-through insulator on the opposite or port side of the ship to the top of the mizzen mast. This we called a receiving aerial. I had a small knifefswitch, for this on the bulkhead separating the radio room from the chart room next door, in order to use this on the main receivers but rarely used it and left it switched to the loran in the chartroom.

The third aerial we called the radiotelephone antenna, mainly because this is where we found the radiotelephone worked best I could use this as the main station's emergency antenna via the large main knifefswitch mounted on the radio room deckhead just above the main feed-through insulator. This was another Marconi or inverted L arrangement which ran up and across from the mizzen to the main mast,

crossing at the main yard.

"Sir, sir, the mainbrace atween mizzen and main, it's slack, sir!"

"Thank you, Easy. That's the aerial. Continue Rosoce."

One cannot blame Frank Milton W6BZN for being rather disappointed with the licensing of the Amateur Station he and I fitted in BOUNTY, VE0MO. The Collins KWM-1 was the top of the line Amateur rig of the time: a Transceiver USB or CW on the 10, 15 and 20 metre Amateur bands only.

The Canadian Maritime Mobile License at that time permitted one to use from 14.00 to 14.25 MHz only in the 20 metre band and all of the 10 and 15 metre bands while on the high seas. This did not permit a daily sked on 14.3 MHz as Frank had planned.

The real problem lay in the fact that there was still a lot of AM equipment in use. A good portion of the Amateur community had little if any use for SSB. There was a gentleman's agreement that the SSB transmissions were to stay out of the band from 14.20 to 14.25 MHz. This, in effect, did not permit American phone operation on 20 metres with this KWM-1.

Frank and I had a few QSO's in this forbidden area, but in the end I simply hung out around 14130kHz. The pile-ups were unreal. Any time the band was in, all I had to do was give my call on this frequency and the explosion of many stations was the reply- I fully expected this explosion to blow the speaker off the bulkhead at any time.

My first QSO with the KWM-1 was with Ken K2JBB. Talk about a small world. Ken was operating clubstation KL7AIZ at the U. S. Naval Communications Station Adak, Alaska. With Ken was Chief Petty Officer Dick Ogden USN. Dick and I were together for nearly two years at HMCS Coverdale, Moncton, N.B., three years previous to this QSO on June 29, 1962.

End of part 1

From the Mail Bag



As I write this note there are only 17 days till Lee and I set up the **Durham Radio Sales and Service booth at the Down East Flea Market (HAMFEST)** on Saturday, May 13, 2006. Both Lee and I have roots in the Maritimes - Lee's grandparents live in Truro, and my Mom still lives in Annapolis Royal. In fact, I attended Ardmore Public School (now a park), just 1/2 mile from the Forum Complex, the site of the Flea Market.

Is there any specific equipment (transceivers, short wave radios, scanners, emergency wind-up radios), books, connectors, cables, etc. your club members wish us to bring down to Nova Scotia? Please advise your club membership at your next meeting, on your club net, or club e-mail distribution list.

We have over 6,000 pieces in our inventory! We cannot bring the entire store, but we wish to accommodate your needs. We have started to pack the special requests already. Please send your special requests to myself, or Lee:

larry@durhamradio.com

leem@durhamradio.com, or

call our toll free order line 1-888-426-1688

Please share this information with your club members.

Regards, Larry Goucher (VA3FHG)

*Dear Revenue Canada,
I would like to cancel my subscription. Please remove my name from your mailing list.*

If you want to use the **Club Station** for an activity please reserve your date & time with Station Manager Brian Allen, VE1AZV
E-mail basailor@eastlink.ca

The AMSAT-NA Web site is
<http://www.amsat.org>

IPARN (Inter-Provincial Amateur Radio Network)

After much soul searching and debate amongst the executive both present and past it has been decided to turn all remaining terminals off and dispose of the equipment. The terminal equipment will be disposed of in the province in which it is mounted. IPARN will not accept any further memberships and will do a full accounting and disburse any remaining funds left back to those who had renewed for 2006.

This decision was not taken lightly, as a lot of people put their hearts and souls into the project from its inception back in the late 1980's. To those who helped build, commission and maintain the individual terminals I trust that you will accept our personal collective thank you from the executive. We wish it weren't so, but it is.

Regards to one and all
Robert Burns, VE1VCK

Hi All, the NSARA has the ability to program many of the commercial radios found on ebay or from local sources. If you are an NSARA Member the programming is a nominal \$10.00 donation. Non Member \$20.00. All monies go towards Amateur Radio Projects.

Regards, 73, Tom Cohoon VE1TA
President of NSARA, 2005-2006



Hello to the new Self-Study Amateur Radio Licensing Group and HARC Instructors,

Jim Cyr (jim@jimcyr.org) has offered to help us organize a discussion group where students can exchange information, ask questions and receive help. I have included our core HARC instructors in this network in the hope that they will join and be available to answer questions from time to time.

Jim tells me that the following is all you need to do to register. Jim, to the extent that there is any need to manage this system, I hope you will be willing to do so.

In order to access the forums you'll need to do the following:

1. Go to <http://atlanticgeocaching.com/smf>
2. At the bottom is the board called "amateur radio"
3. In order to post, you must be registered to the forum.
4. At the top of the page is the "register" link.
5. Click there and register

That's it! He can restrict the users' access to only the amateur radio board or to all of the boards, if need be.

See you in the discussion group!

73, Scott, VE1QD

To: MS Bike Tour Ham Radio Volunteers - Past Participants...

The MS Bike Tour is Aug. 12 - 13 this year. The route starts in Windsor and goes to Acadia for lunch, a loop around Canning, then back to Acadia for the evening. The Sunday route is reversed with the option to skip the Canning loop. The route map is attached. There are two repeaters in the area that should cover the route well.

For anyone planning to stay overnight, there is a \$35 fee for any volunteers needing to stay in residence at Acadia (meals included). Meals are included at no charge for those wishing to make their own arrangements for accommodations.

Anyone wishing to participate for 2006 please let me know. For those that have already passed on your names I included you in the email so everyone has the same information.

Rick VE1RGGRick VE1RGG cell: 209-2482; email: rsgardiner@eastlink.ca

Hurricane Hollow Weather on the Web

While browsing the web I came across an interesting site "dedicated to hurricane preparedness". Its URL is www.hurricanehollow.org and is loaded with some really interesting related information and links.

One really interesting feature is the "Barometer Bob Show" webcast. Yes the name seems a little corny but the content is really serious. Some of Bob's guests have been Max Mayfield, Bob Sheets, Steve Lyons and Joe Bastardi. If you follow weather you'll know these people as being experts in the field of meteorology. All interviews are available as audio files along with live programming and a toll free call-in number so you can participate if you'd like.

The site is fun to navigate while being educational at the same time. Visit it once and you'll likely return again and again. Remember, "awareness is your key to preparedness".

73, Wayne, VE1WPH



Answer to puzzler on page 3

Answer: Canadian Amateur Radio Operators Association, one of the predecessors of RAC, CARF, CRRL and other national organizations. It was active prior to 1950. The organization published a magazine called XTAL. The July 1947 issue featured an ad by the War Assets Corporation, advertising war surplus transmitters, receivers, relays and Selsyn generators.

In winter why do we try to keep the house as warm as it was in summer when we complained about the heat?

Many thanks to the 5 who responded to the appeal to help move the HARC equipment from its temporary storage on the 3rd floor, Bloomfield Centre to the 2nd floor. Also, some of the equipment remaining in the old building, was sorted into 3 categories; "keep", "sell" & "really worthless". *A job well done -ed.*



City Watch in HRM

City Watch is a telephone messaging system, operated in HRM, which allows a recorded message to be sent out to multiple recipients at one time. Through a motion of HRM Regional Council, CityWatch is only to be used for health and safety messaging.

The system architecture is maintained by a full time coordinator, responsible to ensure that the system is operating efficiently & effectively for the various stakeholders in the system.

Stakeholders include the Halifax Regional Police, Halifax Regional Fire and Emergency Services, Emergency Measures Organization, HRM Community Response, Department of National Defence, Royal Canadian Mounted Police, Halifax Regional Water Commission, the Halifax International Airport


Some of the uses of City Watch within HRM include: ground search and rescue operations, neighbourhood watch operation, military recalls, emergency measures notifications, crime alerts and community policing initiatives.

Messages are created by the stakeholders and sent out to prede-

defined groups. The make-up of these groups is the responsibility of the stakeholder agencies. The audience is tracked by means of lists created by representatives of the various stakeholders in the form of mailboxes. Each stakeholder is responsible for maintaining accurate and up to date information in their mailboxes as well as the content of the messages they send out through City Watch.

This system has been in use in the HRM since 1999 and is continuing in its growth, with the purchase of a new server and upgrades to the existing hardware. This progress will ensure the continuity of services operated by the City Watch system.

Quick Facts:

- ⇒ HRM's City Watch system can accommodate an average of 72 calls a minute 
- ⇒ In the 1st quarter of 2006 over 24,000 calls were made through City Watch

To find out more about City Watch, please contact

--David Musgrave for EMO

-- Howard Dixon for HARC for further details.

David Musgrave, VE1EDA

RAC has established an advisory committee to look into the restructuring of the Amateur Radio Licensing system in Canada, in particular, the introduction of a "Foundation License" (new entry level license) that would encourage young people into the hobby. This is similar to the highly successful Foundation License in the UK, Gibraltar and Australia. Howard, VE1DHD, is on this committee.

From the ARRL Letter, Vol. 25, No. 08, Dayton Hamvention theme for the 2006 show is "Ham Radio is Public Service" reflecting renewed awareness by the public of the service Amateur Radio operators provided after Gulf Coast hurricanes and other disasters. One of the reasons ham radio exists is to provide communication in emergencies when all else fails. Forum sessions are expected to deal with emergency communication-related topics, including how Amateur Radio performed after the hurricanes wiped out communications in a wide segment of the southern U.S.. For more information, visit the Dayton Hamvention Web site <http://www.hamvention.org>

Third Annual **MARITIME DX FORUM**
Saturday, 5 August 2006

An invitation. The Halifax Amateur Radio Club (HARC) is pleased to invite all Dxers, testers and HF enthusiasts to the *Third Annual Maritime DX Forum*. It will be held on Saturday, 5 August 2006 at the head of St. Margaret's Bay in Upper Tantallon, Nova Scotia - just outside Halifax.

Venue. This year's meeting will be held in the Multipurpose Room at the St. Margaret's Community Centre, located immediately off exit 5 on Highway 103. The Centre is above the Hubley Centre shopping area at 12 Westwood Boulevard.

The purposes of the Maritime DX Forum are to:

- 1) share our fascination for all aspects of Dxing, contesting and HF operating;
- 2) encourage greater HF activity among the region's hams; and
- 3) enjoy ham radio friendships. Spouses are welcome. If they are not interested in the talks, they will find many things to do in this prime tourist area. The evening DX Banquet is a social event for everyone.

Program. The program will run from 9:00 am until 4:45 pm. There will be two presentations in the morning and two in the afternoon. Although not all program details are confirmed, we can announce three excellent presentations. The first one features George Nicholson, N4GRN, one of the 3Y0X crew, who will talk about the recent Peter One DXpedition. The second one is Jeff Briggs, K1ZM/ VY2ZM, who will shine light on the wonders of low band DXing. Third, Jim Fisher, VE1JF, will moderate a panel discussion on contesting that will include the featured speakers and other notable testers. There will be ample time for conversations during coffee breaks and a long lunch hour and pre-dinner happy hour. The DX Banquet will begin at 6:30 pm for 7:00 dinner. Other presentations will be announced, just as soon as they are confirmed.

Registration and Cost. The cost of the Maritime DX Forum and the DX Dinner as well as the details about registering will be announced shortly. This first announcement is intended to give you as much time as possible to get this great event on your summer calendar.

If you have immediate questions, you may contact Scott Wood, VE1QD,
by e-mail at: ve1qd@rac.ca

The agreement between the Dept. of Motor Vehicles and the Amateur radio community for **call sign plates** is through NSARA.

To apply for amateur radio call sign plates to use on a motor vehicle licensed in Nova Scotia:

1. Obtain an "Application for Ownership, Permits, and Plates" from your local Registry of motor vehicles office,
2. Complete the form (Sections 1,2,3,5,6c, and 8),
3. Send the completed form to :

Mike Bonnah

PO Box 277

Lantz, Nova Scotia B0N 1R0

Questions? contact Mike Bonnah, VE1WMW. Phone 902 883 9217 or E-mail at ve1wmw@rac.ca



*Cleaning Tips:
 Pet Hair -
 Explain the
 mound of pet
 hair brushed up
 against the door-
 ways by claiming
 you are collecting it
 there to use for stuff-
 ing hand-sewn play
 animals for under-
 privileged children.
 (Also keeps out cold
 drafts in winter.)*

The ARRL Letter, Vol. 25, No. 12

March 24, 2006

**BPL Chip Maker Shows Interference
 Abatement Improvements**

A demonstration at ARRL Headquarters of DS2 BPL equipment suggests the chipset developer and manufacturer is working to minimize--if not eliminate--interference from its products on amateur bands, ARRL Laboratory Manager Ed Hare, W1RFL, says. Hare met with two DS2 officials at ARRL to discuss the company's improved approach to Amateur Radio band notching techniques. Based upon his observations during a demonstration of DS2's latest generation G2 technology, Hare says he's cautiously optimistic. A spectrum analyzer check of the modem's output showed the G2 modem could attain a notch depth of up to 40 dB.

"While there's no certainty that all BPL products using this technology could achieve 40 dB of protection within notched spectrum, our tests show the capability to do so is there," Hare commented. "This may not prevent all interference problems, but a 10 to 15 dB improvement over the notching used by many BPL systems in place today would be a significant improvement."

From the ARRL Letter, Vol. 25, No. 13

March 31, 2006

AMSAT-NA has issued OSCAR designations for two Japanese cubesat Amateur Radio satellites. XI-IV ("sai four"), launched in 2003, will be known as CUBESAT-OSCAR-57 or CO-57. XI-V ("sai five"), launched with SSETI Express in 2005, will be known as CUBESAT-OSCAR-58 or CO-58. "AMSAT-NA & I congratulate you & your team for the successful construction, testing & launching of these innovative spacecraft," said AMSAT's Bill Tynan, W3XO, in announcing the designations. The satellites were built & launched by the University of Tokyo Cubesat Team. CO-57 has a CW beacon on 436.8475 MHz and a 1200 bps AFSK packet downlink on 437.490 MHz. CO-58 has a CW beacon on 437.4650 MHz and a 1200 bps AFSK packet downlink on 437.3450 MHz.